

Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1-14. (Canceled)

15. (Currently amended) A method in a computer system for displaying a graphical representation of expression levels of a plurality of splice variants of a gene in one or more samples, each of the plurality of splice variants of the gene having modules ~~and exons~~, the method comprising:

identifying modules ~~and exons~~ for each splice variant of the gene, each module ~~or exon~~-representing a subsequence of the splice variant selected from an exon and an intron and having a length L_s ,

applying a first mathematical function to the length L_s of each a first subsequence to obtain a scaled length L_s' ~~of each~~ for the first subsequence for graphical representation,

applying a second, different, mathematical function to the length L_s of a second subsequence to obtain a scaled length for the second subsequence for graphical representation,

determining a relative expression level for each module ~~or exon~~ by applying a mathematical algorithm to expression level data ~~for~~ obtained using exon-exon junction indicator polynucleotides that selectively hybridize to exon-exon junctions of a given splice variant, and

displaying a graphical representation wherein the modules ~~or exons~~ of the given splice variants are aligned with corresponding modules or exons of other splice variants of the gene, ~~and~~ wherein the representation indicates the relative expression levels of the modules ~~and exons~~, and wherein the scaled length of the first subsequence and the scaled length of the second subsequence are displayed simultaneously.

16. (Currently amended) The method of claim 15, wherein the ~~exon and~~ modules are a minimal set of non-overlapping ~~exons and~~ modules.

17. (Currently amended) The method of claim 16, wherein the modules further include ~~exons, introns,~~ extended portions of exons, and extended portions of introns.

18. (Currently amended) The method of claim 15, wherein the ~~exons and~~ modules are constitutive.

19. (Currently amended) The method of claim 15, wherein the ~~exons and~~ modules are non-constitutive.

20. (Currently amended) The method of claim 15, wherein the first or second mathematical function is a linear equation.

21. (Currently amended) The method of claim 15, wherein the first or second mathematical function is a logarithmic equation.